

DATABASE RANGE CONSTRAINT THAT IS DYNAMICALLY LIMITED BY DATA  
IN THE DATABASE  
BARSNESS ET AL.  
DOCKET NO. ROC920030327US1

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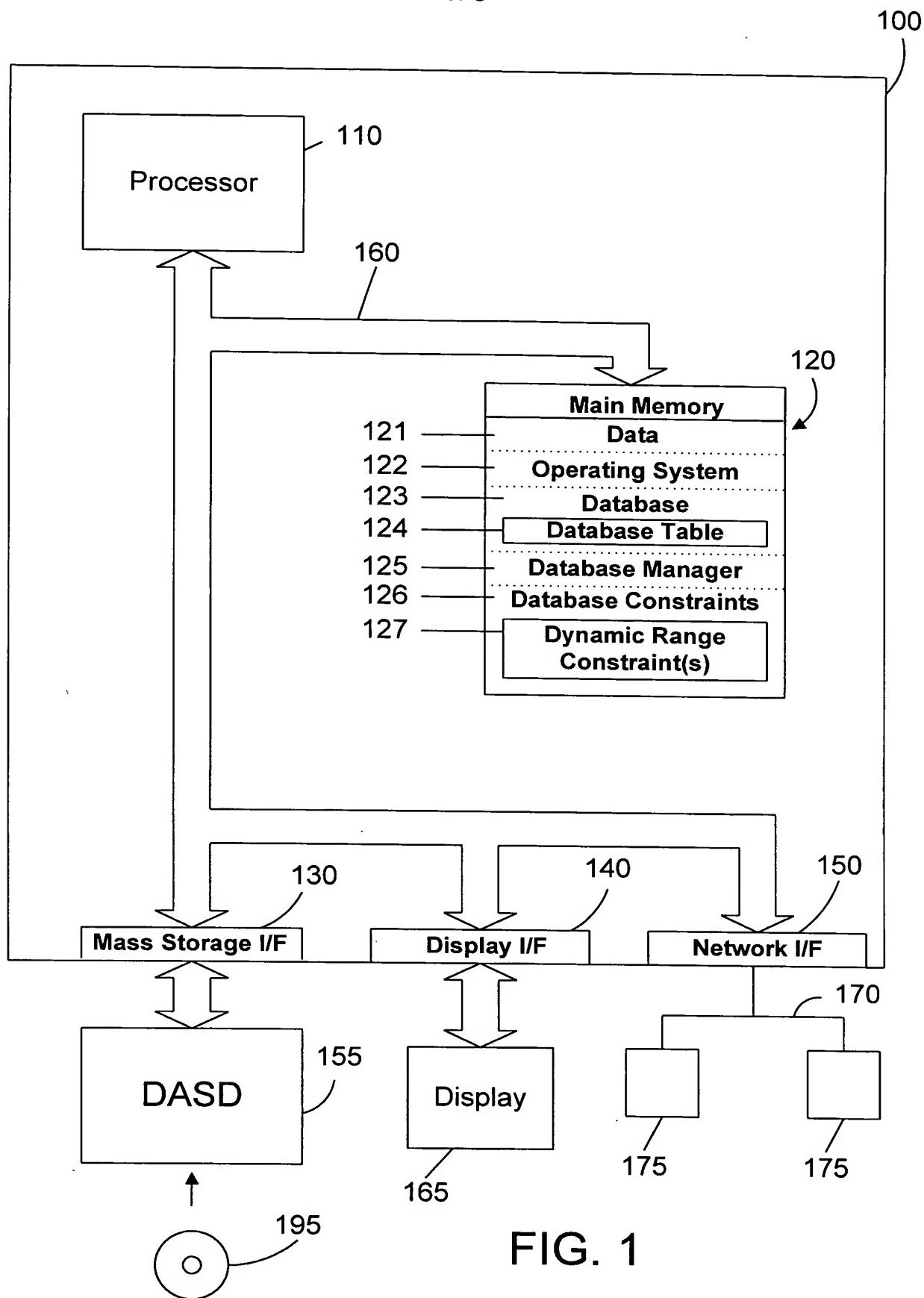


FIG. 1

DATABASE RANGE CONSTRAINT THAT IS DYNAMICALLY LIMITED BY DATA  
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Table T

	C1	C2	C3	C4
1	Part No.	Supplier	Price	Quantity
2	02-0493	GOF	12.45	3
3	09-6798	WSX	4.59	74
4	07-1158	STC	7.92	10
N-1				
	05-2229	LAR	8.55	123
N	03-7691	FCJ	2.71	46

FIG. 2

$$1 < C3 < 25$$

FIG. 3 Prior Art

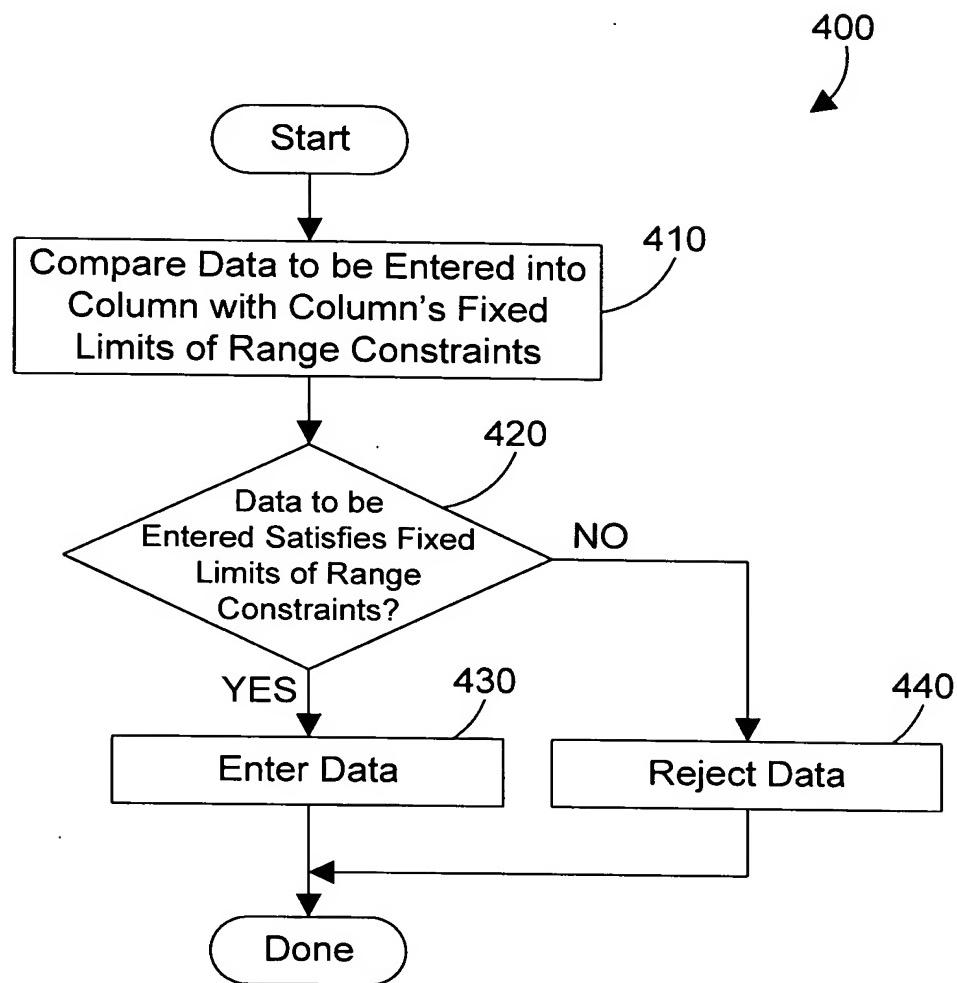


FIG. 4 Prior Art

$0.1 * (\text{MEAN C3}) < C3 < 2.5 * (\text{MEAN C3})$

**FIG. 5**

If  $(\text{MEAN C3}) = 10.00$ ,  
 $1.00 < C3 < 25.00$

**FIG. 6**

If  $(\text{MEAN C3}) = 15.00$ ,  
 $1.50 < C3 < 37.50$

**FIG. 7**

$0 < C4 < 2 * (\text{MAX C4})$

**FIG. 8**

If  $(\text{MAX C4}) = 150.00$ ,  
 $0 < C4 < 300$

**FIG. 9**

If  $(\text{MAX C4}) = 565$ ,  
 $0 < C4 < 1,130$

**FIG. 10**

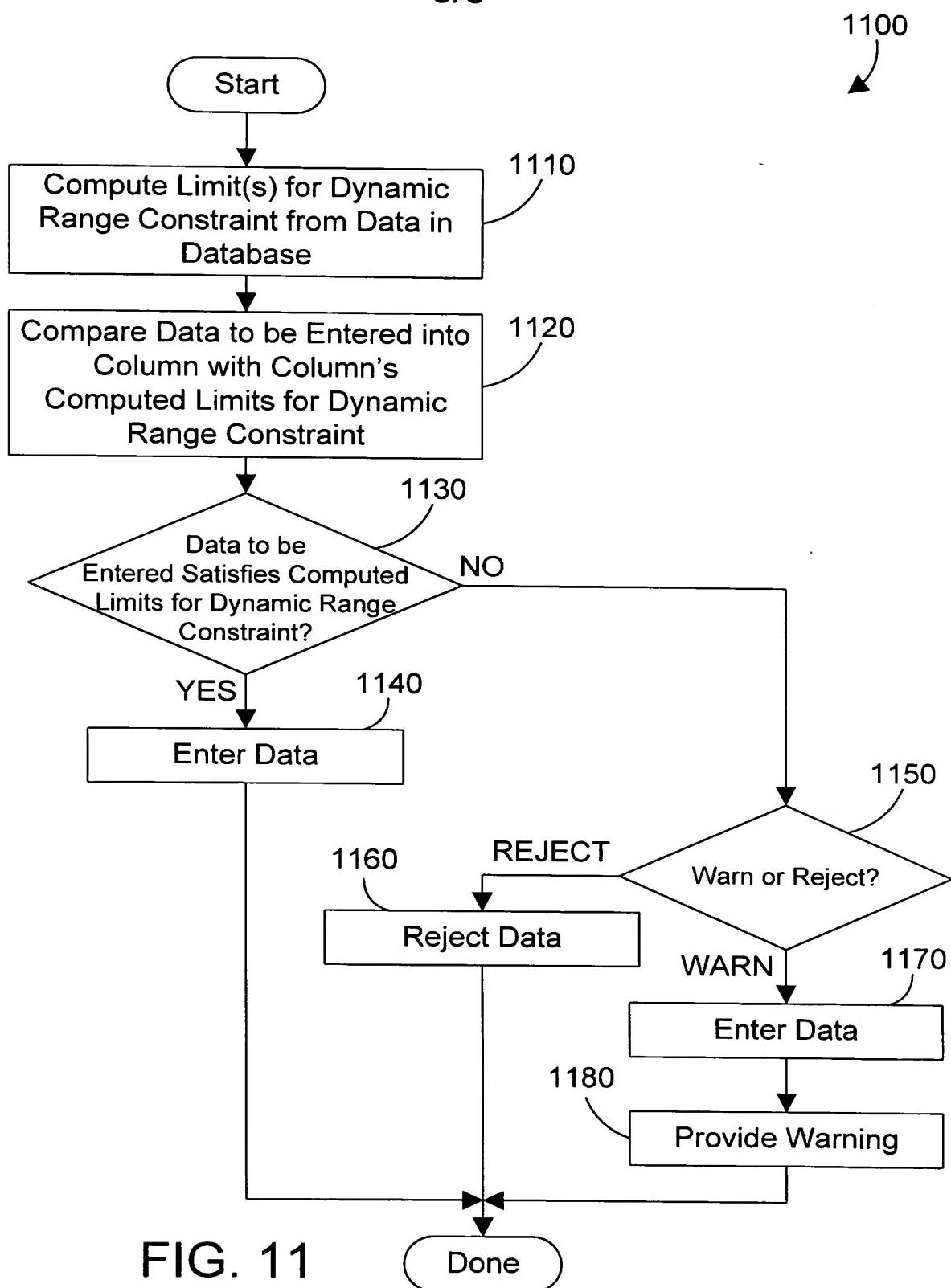


FIG. 11

Table S

	C1	C2	C3	C4	C5
	Part No.	Supplier	Price	Cost	Quantity
1	02-0493	GOF	12.45	8.23	3
2	09-6798	WSX	4.59	2.68	74
3	07-1158	STC	7.92	5.14	10
N-1	05-2229	LAR	8.55	6.02	123
N	03-7691	FCJ	2.71	1.85	46

FIG. 12

$$0 < C4 < (\text{MAX } C3)$$

FIG. 13

If  $(\text{MAX } C3) = 18.45$ ,  
 $0 < C4 < 18.45$

FIG. 14

If  $(\text{MAX } C3) = 78.20$ ,  
 $0 < C4 < 78.20$

FIG. 15